

CLAIMS

1. An automatic device for the delivery of video signals with a high capacity optical disks record, *characterized in* a robotized system (1) for running DVDs (2) responsible for the recording of the films to be broadcasted ad of their loading into the readers DVD (3), which transfer the content (4) of theh DVDs - a film in MPEG2 format for each DVD - towards the output module (5) consisting of cards which, according to the use of the outlets, multiple a plurality of MPEG flows into one or more transport stream MPEG2 in accordance with the specifications of Digital Video Broadcasting, or transform each MPEG flow into a corresponding standard analogic outlet (compound, component or digital non-compressed signal D1), while the check system 6 coordinates the operations of te different components of said system and realized an interface with possible other scheduling or check systems.
2. A device according to claim 1, *characterized in* a robotized record DVD (1) for storing and mechanically manipulating a great number of DVD disks (up to 10,000); the use of said system eliminates all manula loading operations from cassettes or tapes with the consequent saving of time and money.
3. A device according to claim 1, *characterized in* a plurality of readers DVD (3), automatically run by said control system (6) and which allow to read the content of the DVDs and to transfer the same towards the outlet cards; the films are stored onto DVD in

single program transport stream format according to the specifications of DVB, and therefore the outlet data flow contains the video in MPEG2 format, with one or more audio channels linked thereto and possible teletext or data channels.

4. A device according to claim 1, *characterized in* an outlet module (5) which suitably integrates the non-compressed analogic/digital kind outlet cards and the standard multiplex MPEG2 DVB-like cards.
5. A device according to claim 1, *characterized in* a plurality of cards for non-compressed analogic and digital outlet, which convert the flow coming from DVD readers into a standard television signal of the kind PAL or NTSC, according to the features of the stored video; the outlet of the card may be synchronized with other sources of the video signal (genlockable) and is usually supplied in compound, as an optional in components and in non-compressed digital.
6. A device according to claim 1, *characterized in* a card for digital outlet MPEG-2, that does not convert the MPEG-2 flow coming from the readers but combines a plurality of flows containing one single film (multiple program transport stream); the outline of the card and the combination possibilities of the flows are run by the control system, according to the needs of the user; the outlet flow is supplied on LVDS or ASI interface, as it is specified in the DVB standard.

7. A device according to claim 1, *characterized in* a control system (6) that manages and synchronizes the functioning of all components of the system and that has one single external control interface; therefore, the whole system is run by the control system, locally by means of a graphic interface and in remote control by sending orders onto a serial or network interface; the control system has a record for storing the content of the DVDs present in the system, for performing its functions of control and coordination; said record is automatically updated each time DVDs are loaded or cancelled from the system; furthermore, said record allows the search of the titles for broadcasting; once a title has been selected, the corresponding DVD is loaded into the reader; from this moment on, the title may be sent into outlet through the output cards; also more complicated operations are possible, like fast forward, pause, slow motion, fast backward and positioning to a determined time-code.

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